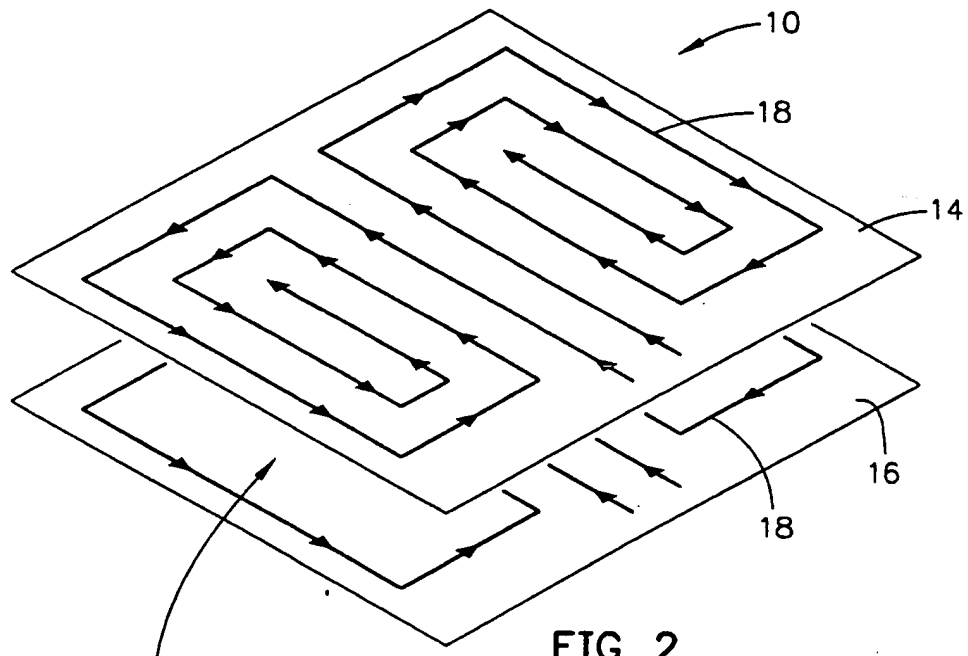


FIG. 1



MR sensor in low-field region between current sheets.

FIG. 2

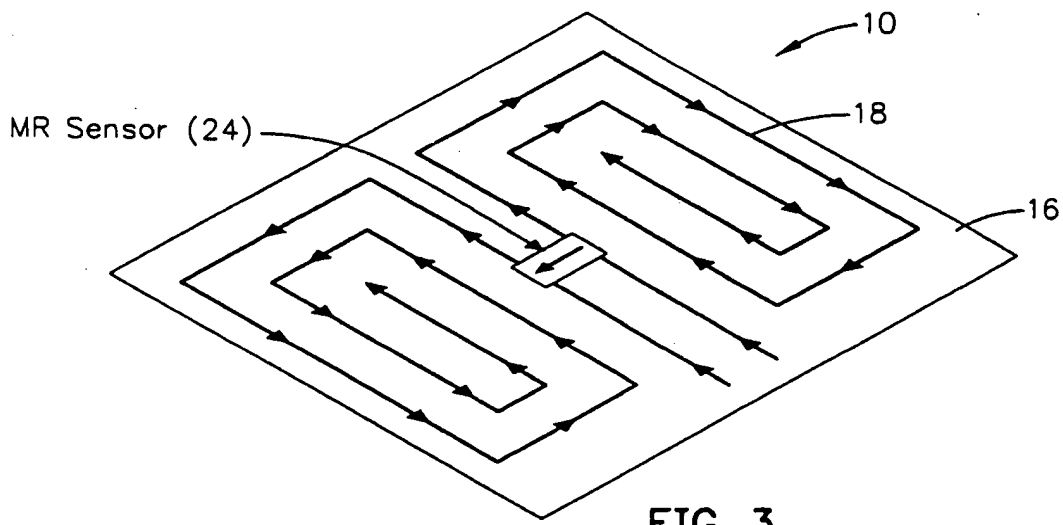


FIG. 3

FIG. 4

Magnetoresistive
Sensor Orientation
That is Perpendicular
to the Plane of
Current Flow

Outer
Current
Flow

Inner
Current
Flow

FIG. 4

35

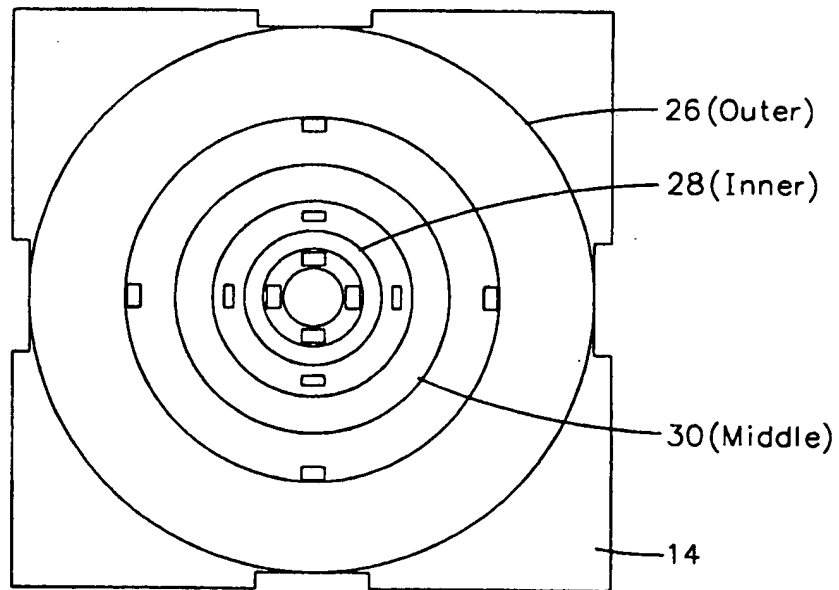
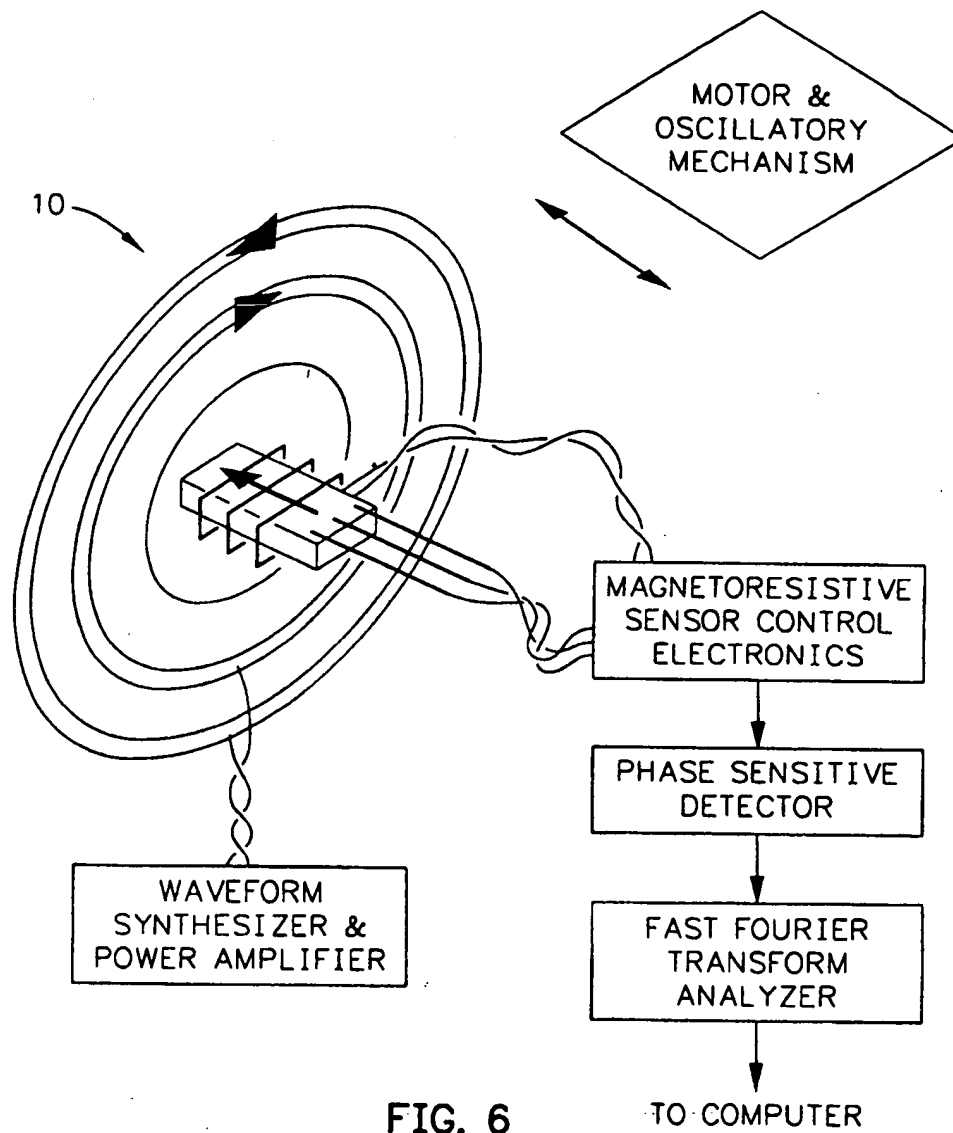


FIG. 5

10620T"ET64T00T



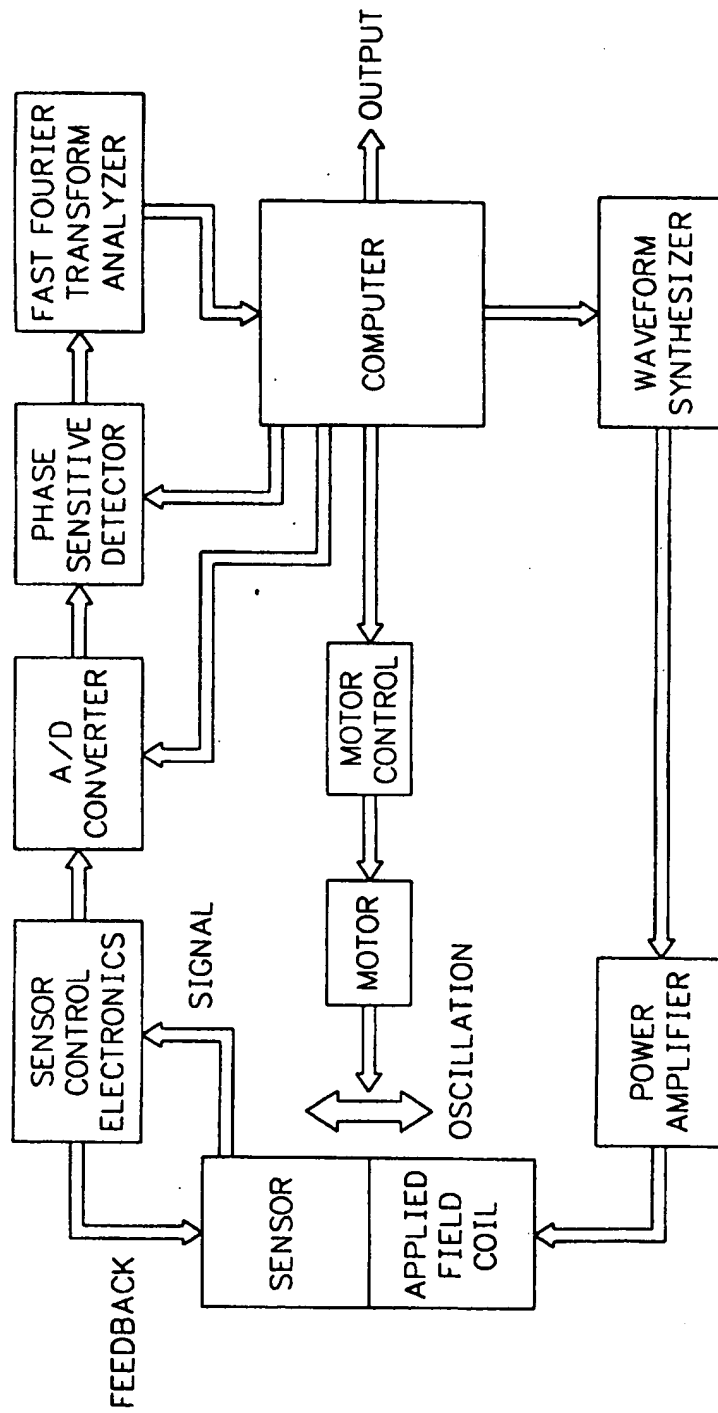


FIG. 7

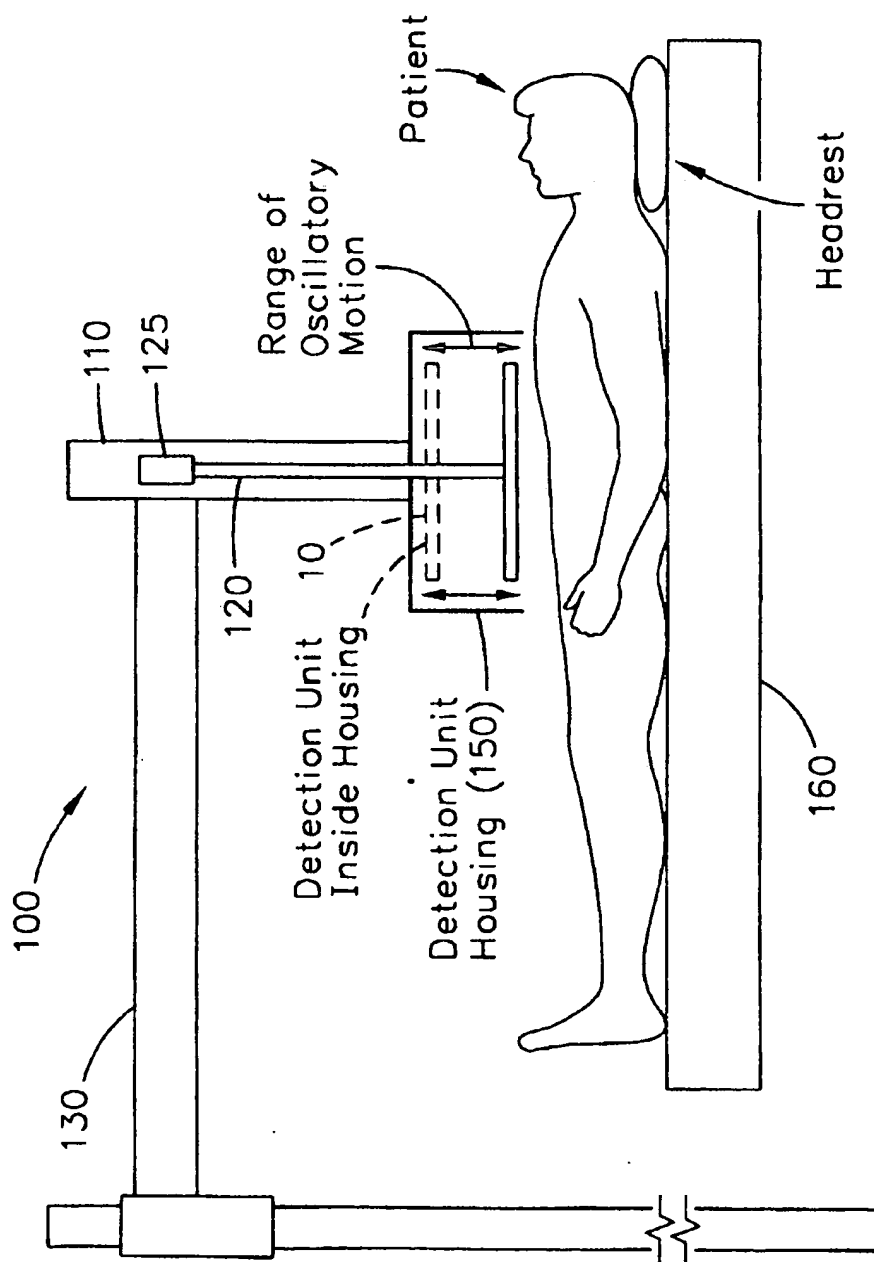


FIG. 8

FOOT "E" FOOT

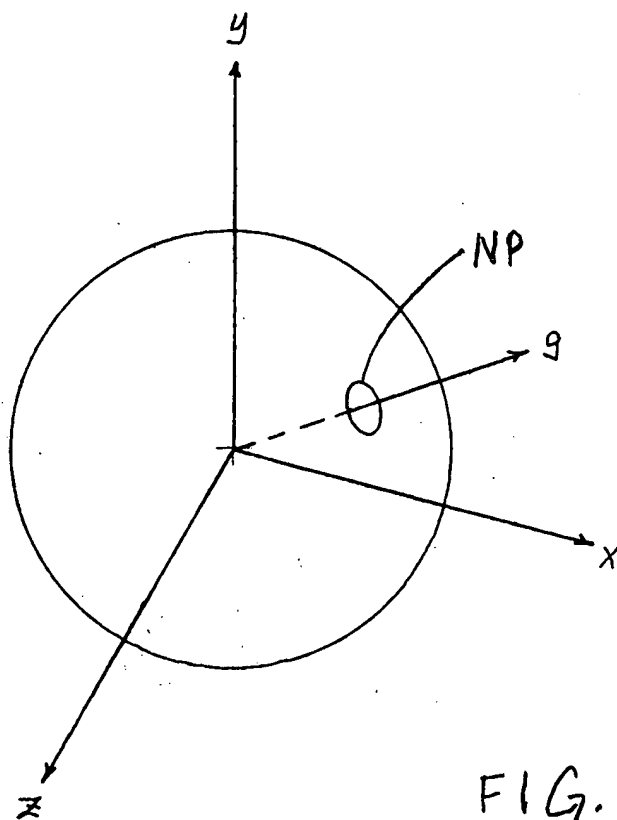


FIG. 9